IFWO

RAW SEQUENCE LISTING   DATE: 08/23/2004
PATENT APPLICATION: US/10/649,378A   TIME: 11:10:50

Input Set : **A:\407T-911270US.txt**
Output Set: **N:\CRF4\08232004\J649378A.raw**

```
 3 <110> APPLICANT: FOGELMAN, ALAN M.
 4        ANANTHARAMAIAH, GATTADAHALLI M.
 5        NAVAB, MOHAMAD
 7 <120> TITLE OF INVENTION: ORALLY ADMINISTERED SMALL PEPTIDES SYNERGIZE STATIN ACTIVITY
 9 <130> FILE REFERENCE: 407T-911270US
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C--> 11 `<140> CURRENT APPLICATION NUMBER: US/10/649,378A`
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12 <141> CURRENT FILING DATE: 2003-08-26
14 <150> PRIOR APPLICATION NUMBER: US10/423,830
15 <151> PRIOR FILING DATE: 2003-04-25
17 <150> PRIOR APPLICATION NUMBER: US10/273,386
18 <151> PRIOR FILING DATE: 2002-10-16
20 <150> PRIOR APPLICATION NUMBER: US10/187,215
21 <151> PRIOR FILING DATE: 2002-06-28
23 <150> PRIOR APPLICATION NUMBER: US09/896,841
24 <151> PRIOR FILING DATE: 2001-06-29
26 <150> PRIOR APPLICATION NUMBER: US09/645,454
27 <151> PRIOR FILING DATE: 2000-08-24
29 <150> PRIOR APPLICATION NUMBER: US60/494,449
30 <151> PRIOR FILING DATE: 2003-08-11
32 <160> NUMBER OF SEQ ID NOS: 464
34 <170> SOFTWARE: PatentIn version 3.3
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 18
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
```
or
```
43        unprotected D or L form.
46 <220> FEATURE:
47 <221> NAME/KEY: misc_feature
48 <222> LOCATION: (1)..(1)
49 <223> OTHER INFORMATION: Xaa is aspartic acid or glutamic acid.
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (2)..(3)
54 <223> OTHER INFORMATION: Xaa is tryptophan, phenylalanine, alanine, leucine, tyrosine,
55        isoleucine, valine or alpha-naphthylalanine.
57 <220> FEATURE:
58 <221> NAME/KEY: misc_feature
59 <222> LOCATION: (4)..(4)
60 <223> OTHER INFORMATION: Xaa is lysine, or arginine.
62 <220> FEATURE:
63 <221> NAME/KEY: misc_feature
```

(ps. 6-7)

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        Input Set : A:\407T-911270US.txt
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 64 <222> LOCATION: (5)..(5)
 65 <223> OTHER INFORMATION: Xaa is serine, threonine, alanine, glycine, or histidine,.
 67 <220> FEATURE:
 68 <221> NAME/KEY: misc_feature
 69 <222> LOCATION: (6)..(7)
 70 <223> OTHER INFORMATION: Xaa is tryptophan, phenylalanine, alanine, leucine, tyrosine,
 71   isoleucine, valine or alpha-naphthylalanine.
 73 <220> FEATURE:
 74 <221> NAME/KEY: misc_feature
 75 <222> LOCATION: (8)..(8)
 76 <223> OTHER INFORMATION: Xaa is aspartic acid or glutamic acid.
 78 <220> FEATURE:
 79 <221> NAME/KEY: misc_feature
 80 <222> LOCATION: (9)..(9)
 81 <223> OTHER INFORMATION: Xaa is lysine or arginine
 83 <220> FEATURE:
 84 <221> NAME/KEY: misc_feature
 85 <222> LOCATION: (10)..(11)
 86 <223> OTHER INFORMATION: Xaa is tryptophan, phenylalanine, alanine, leucine, tyrosine,
 87   isoleucine, valine or alpha-naphthylalanine.
 89 <220> FEATURE:
 90 <221> NAME/KEY: misc_feature
 91 <222> LOCATION: (12)..(12)
 92 <223> OTHER INFORMATION: Xaa is aspartic acid or glutamic acid.
 94 <220> FEATURE:
 95 <221> NAME/KEY: misc_feature
 96 <222> LOCATION: (13)..(13)
 97 <223> OTHER INFORMATION: Xaa is lysine or arginine
 99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (14)..(14)
102 <223> OTHER INFORMATION: Xaa is tryptophan, phenylalanine, alanine, leucine, tyrosine,
103   isoleucine, valine or alpha-naphthylalanine.
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (15)..(15)
108 <223> OTHER INFORMATION: Xaa is lysine or arginine
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (16)..(16)
113 <223> OTHER INFORMATION: Xaa is aspartic acid or glutamic acid.
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (17)..(18)
118 <223> OTHER INFORMATION: Xaa is tryptophan, phenylalanine, alanine, leucine, tyrosine,
119   isoleucine, valine or alpha-naphthylalanine.
121 <400> SEQUENCE: 1
W--> 123 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     124 1   5   10   15

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Input Set : A:\407T-911270US.txt
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W--> 127 Xaa Xaa
     131 <210> SEQ ID NO: 2
     132 <211> LENGTH: 20
     133 <212> TYPE: PRT
     134 <213> ORGANISM: Artificial Sequence
     136 <220> FEATURE:
     137 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
     138   unprotected D or L form.
     141 <220> FEATURE:
     142 <221> NAME/KEY: misc_feature
     143 <222> LOCATION: (1)..(1)
     144 <223> OTHER INFORMATION: Xaa is Pro, Ala, Gly, Asn, Gln, or D-Pro
     146 <220> FEATURE:
     147 <221> NAME/KEY: misc_feature
     148 <222> LOCATION: (2)..(2)
     149 <223> OTHER INFORMATION: Xaa is is an aliphatic amino acid
     151 <220> FEATURE:
     152 <221> NAME/KEY: misc_feature
     153 <222> LOCATION: (3)..(3)
     154 <223> OTHER INFORMATION: Xaa is Leu
     156 <220> FEATURE:
     157 <221> NAME/KEY: misc_feature
     158 <222> LOCATION: (4)..(4)
     159 <223> OTHER INFORMATION: Xaa is an acidic amino acid
     161 <220> FEATURE:
     162 <221> NAME/KEY: misc_feature
     163 <222> LOCATION: (5)..(6)
     164 <223> OTHER INFORMATION: Xaa is Leu, or Phe
     166 <220> FEATURE:
     167 <221> NAME/KEY: misc_feature
     168 <222> LOCATION: (7)..(7)
     169 <223> OTHER INFORMATION: Xaa is a basic amino acid
     171 <220> FEATURE:
     172 <221> NAME/KEY: misc_feature
     173 <222> LOCATION: (8)..(8)
     174 <223> OTHER INFORMATION: Xaa is an acidic amino acid
     176 <220> FEATURE:
     177 <221> NAME/KEY: misc_feature
     178 <222> LOCATION: (9)..(10)
     179 <223> OTHER INFORMATION: Xaa is Leu, or Trp
     181 <220> FEATURE:
     182 <221> NAME/KEY: misc_feature
     183 <222> LOCATION: (11)..(11)
     184 <223> OTHER INFORMATION: Xaa is an acidic amino acid or Asn
     186 <220> FEATURE:
     187 <221> NAME/KEY: misc_feature
     188 <222> LOCATION: (12)..(12)
     189 <223> OTHER INFORMATION: Xaa is an acidic amino acid
     191 <220> FEATURE:

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     Input Set : A:\407T-911270US.txt
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192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (13)..(13)
194 <223> OTHER INFORMATION: Xaa is Leu, Trp, or Phe
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (14)..(14)
199 <223> OTHER INFORMATION: Xaa is a basic amino acid or Leu
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (15)..(15)
204 <223> OTHER INFORMATION: Xaa is Gln, or Asn
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (16)..(16)
209 <223> OTHER INFORMATION: Xaa is a basic amino acid
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (17)..(17)
214 <223> OTHER INFORMATION: Xaa is Leu
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (18)..(18)
219 <223> OTHER INFORMATION: Xaa is a basic amino acid
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (19)..(20)
224 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
226 <400> SEQUENCE: 2
W--> 228 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
229 1   5   10   15
W--> 232 Xaa Xaa Xaa Xaa
233   20
236 <210> SEQ ID NO: 3
237 <211> LENGTH: 18
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
243   unprotected D or L form.
245 <400> SEQUENCE: 3
247 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
248 1   5   10   15
251 Ala Phe
255 <210> SEQ ID NO: 4
256 <211> LENGTH: 18
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or

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Input Set : A:\407T-911270US.txt
Output Set: N:\CRF4\08232004\J649378A.raw

262   unprotected D or L form.
264 <400> SEQUENCE: 4
266 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
267 1   5   10   15
270 Ala Phe
274 <210> SEQ ID NO: 5
275 <211> LENGTH: 18
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
281   unprotected D or L form.
283 <400> SEQUENCE: 5
285 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
286 1   5   10   15
289 Ala Phe
293 <210> SEQ ID NO: 6
294 <211> LENGTH: 18
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
300   unprotected D or L form.
302 <400> SEQUENCE: 6
304 Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
305 1   5   10   15
308 Ala Phe
312 <210> SEQ ID NO: 7
313 <211> LENGTH: 18
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
319   unprotected D or L form.
321 <400> SEQUENCE: 7
323 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
324 1   5   10   15
327 Ala Phe
331 <210> SEQ ID NO: 8
332 <211> LENGTH: 18
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Chemically synthesized peptide. Amino acids can be protected
or
338   unprotected D or L form.
340 <400> SEQUENCE: 8
342 Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu
343 1   5   10   15
346 Ala Phe

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/23/2004
PATENT APPLICATION: US/10/649,378A   TIME: 11:10:51

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ease Note:
e of n and/or Xaa have been detected in the Sequence Listing. Please review the
quence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

q#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18
q#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
q#:143; Xaa Pos. 1
q#:149; Xaa Pos. 1
q#:150; Xaa Pos. 1
q#:151; Xaa Pos. 1
q#:171; Xaa Pos. 1
q#:172; Xaa Pos. 1
q#:173; Xaa Pos. 1
q#:174; Xaa Pos. 1
q#:175; Xaa Pos. 1
q#:193; Xaa Pos. 3
q#:194; Xaa Pos. 3
q#:195; Xaa Pos. 3
q#:205; Xaa Pos. 1
q#:206; Xaa Pos. 1
q#:209; Xaa Pos. 3
q#:226; Xaa Pos. 1
q#:229; Xaa Pos. 3
q#:244; Xaa Pos. 4
q#:245; Xaa Pos. 4
q#:252; Xaa Pos. 4
q#:253; Xaa Pos. 4
q#:282; Xaa Pos. 1
q#:288; Xaa Pos. 1
q#:289; Xaa Pos. 1
q#:290; Xaa Pos. 1
q#:291; Xaa Pos. 1
q#:319; Xaa Pos. 1
q#:320; Xaa Pos. 1
q#:321; Xaa Pos. 1
q#:322; Xaa Pos. 1
q#:323; Xaa Pos. 1
q#:324; Xaa Pos. 1
q#:325; Xaa Pos. 1
q#:326; Xaa Pos. 1
q#:349; Xaa Pos. 4
q#:350; Xaa Pos. 4
q#:359; Xaa Pos. 4
q#:360; Xaa Pos. 4
q#:361; Xaa Pos. 4
q#:362; Xaa Pos. 4
q#:371; Xaa Pos. 4
q#:372; Xaa Pos. 4

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q#:373; Xaa Pos. 4
q#:374; Xaa Pos. 4

valid <213> Response:
e of "Artificial" only as "<213> Organism" response is incomplete,
1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

q#:17,20,21,22,23,25,27,32,34,56,76,77,82,133,134,135,136,140,142,193,195
q#:196,203,269,336,418,444,445

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Input Set : **A:\407T-911270US.txt**
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```
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:2733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0
L:2829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:0
L:2850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0
L:2871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0
L:3183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
L:3204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
L:3225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
L:3246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:0
L:3267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:0
L:3543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
L:3564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0
L:3585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:3741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:3762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:3813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:4074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:0
L:4125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:0
L:4356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244 after pos.:0
L:4377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:0
L:4488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:0
L:4509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:0
L:4950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:0
L:5046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:288 after pos.:0
L:5067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:0
L:5088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:0
L:5109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291 after pos.:0
L:5535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:319 after pos.:0
L:5556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320 after pos.:0
L:5577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321 after pos.:0
L:5598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:0
L:5619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:0
L:5640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:0
L:5661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:0
L:5682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:0
L:6033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:349 after pos.:0
L:6054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:350 after pos.:0
L:6195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0
L:6216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:0
L:6237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0
L:6258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362 after pos.:0
L:6399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371 after pos.:0
L:6420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:0
L:6441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:373 after pos.:0
```

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L:6462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:374 after pos.:0